Sheet 1/2

EXCEL FORM .XLS FILE

ENGLISH LOG OF PILING DRIVEN WITH WAVE EQUATION

 Project No.:
 Anybody's Guess
 Type of Piling:
 HP 10 X 42

 County:
 Someplace in Iowa
 (Wood,

(Wood, or Steel Size & Type, or Concrete Size & Type)

Design No.: 389 Hammer (Model & Type): Delmag D-12
Location of Foundation Centerline: 1336+88.40

(Gravity or Diesel)

Location: N. Abutment

Contractor: Somebody Construction Co.

 $\begin{array}{c|cccc} \textbf{Plan Tip Elevation:} & \underline{1083} & \text{Ft.} \\ \hline \textbf{Plan Driving Resistance:} & \underline{40} & \text{Tons} \\ \end{array}$

Driving Graph No.: <u>40-0389-1-755</u>

Observed Blows / Minute: 49-50

Hammer Energy: 22.5 Ft. - Kips

Sketch foundation below. Locate each pile by circles with numbers therein. Note battered piles on sketch, and give the amount of batter. Place name and certificate number of welder below if welding was necessary. Forward copies as outlined in the construction manual. Note on drawing which pile has been logged.

Batt	er Piling	in the	direction shown.							
	•			•	· N. Abı		•		 N .	•
									`	
-	•			•						•
·					Logged Pile			. 8	1 :	· ·
				<u>.</u>	<u> </u>					
Sheet 1/2 N. Abut. Pay			2 .	3	. 4	. 5.	<u>(6)</u>	. 7		
Qts .	•	•	<u> </u>	•	· ·	•	<u> </u>	•	•	•
Sheet 2/2	•	•		•			•		 •	•

		Length		Length					RET	AP 2		PILE	EXTENSIO	NS 3	
		in leads	Length	in	Blows	Ram	Driven		Ram	Blows	Driven	Length	Length	In	
Pile No.	Date Driven	Nearest Foot	Cutoff (0.0 ft.)	Structure (0.0 ft.)1	Per Foot	Rise (ft.)	Resistance (Tons)	Date	Rise (ft.)	Per Foot	Resistance (Tons)	Added (ft.)	Cutoff (0.0 ft.)	Structure (0.0 ft.)1	Welds
1	X-XX-XX	60	(0.0 11.)	60.0	33	5.0	31	Date	5.0	35	` '	10.0	3.0	7.0	1
											33	10.0	3.0		1
2	X-XX-XX	60	0.0	60.0	35	5.0	33		5.5	40	46			0.0	
3	X-XX-XX	60	0.0	60.0	40	5.0	42							0.0	
4	X-XX-XX	60	1.8	58.2	70	6.0	53							0.0	
5	X-XX-XX	60	2.6	57.4	74	6.0	54							0.0	
6	X-XX-XX	60	2.7	57.3	78	6.5	66							0.0	
7	X-XX-XX	60	5.8	54.2	80	6.5	68							0.0	
8	X-XX-XX	60	7.2	52.8	90	6.5	74							0.0	
9			—	—										0.0	
10				0.0										0.0	
11				0.0										0.0	
12				0.0										0.0	
13				0.0										0.0	
14				0.0										0.0	
15				0.0										0.0	
16				0.0										0.0	
17				0.0										0.0	
18				0.0										0.0	
				0.0										0.0	
				0.0										0.0	
				0.0										0.0	
				0.0										0.0	
				0.0										0.0	
				0.0										0.0	

l	For trestle pile	e, give length	in ground plus	length in structure.
---	------------------	----------------	----------------	----------------------

2 Indicate date of retap in date column (1 day delay min.). List only pile actually checked.

3 Additional pile length to be authorized by Construction Office.

 Length In Structure:
 466.9
 Feet

 Cutoffs 5.0' & Under:
 10.1
 Feet

 Cutoffs over 5.0' x 0.50:
 6.5
 Feet

 Furnished Length:
 483.5
 Feet

Total Welds:

Welders Name:		Lab No.:	Exp. Date:	Furnished Length: 483.5
Remarks:				
-	Inspector	Date	_	Project Engineer

lowa Department of Transportation

ENGLISH LOG OF PILING DRIVEN WITH WAVE EQUATION

Sheet 2/2

EXCEL FORM

LITOLIO	TEOCOT TIENIO DINIVER WITH WA	VIL Lac	Allon	VI 0 FILE	
Anybody's Guess	Type of Piling:	HP 10 X 4	42	.XLS FILE	
Someplace in Iowa	<u> </u>	(Woo	od, or Steel Size & Type, or Cond	rete Size & Type)	
389	Hammer (Model & Type):	Delmag D)-12		
dation Centerline: 1336+88.40			(Gravity or Diesel)		
N. Abutment	Plan Tip Elevation:	1083	_ Ft.		
Somebody Construction Co.	Plan Driving Resistance:	40	Tons		
40-0389-1-755	Observed Blows / Minute:	49-50	_		
	Hammer Energy:	22.5	_ Ft Kips		
	Anybody's Guess Someplace in Iowa 389 dation Centerline: 1336+88.40 N. Abutment Somebody Construction Co. 40-0389-1-755	Anybody's Guess Type of Piling: Someplace in Iowa 389 dation Centerline: 1336+88.40 Hammer (Model & Type): N. Abutment Plan Tip Elevation: Somebody Construction Co. Plan Driving Resistance: 40-0389-1-755 Observed Blows / Minute:	Anybody's Guess Type of Piling: Word HP 10 X 4 (Word 389 Hammer (Model & Type): Delmag D dation Centerline: 1336+88.40 Plan Tip Elevation: 1083 N. Abutment Plan Driving Resistance: 40 40-0389-1-755 Observed Blows / Minute: 49-50	Someplace in Iowa (Wood, or Steel Size & Type, or Cond 389 Hammer (Model & Type): Delmag D-12 (Gravity Diese) N. Abutment Plan Tip Elevation: 1083 Ft. Somebody Construction Co. Plan Driving Resistance: 40 Tons 40-0389-1-755 Observed Blows / Minute: 49-50	Anybody's Guess Type of Piling: HP 10 X 42 (Wood, or Steel Size & Type, or Concrete Size & Type) .XLS FILE 389 Hammer (Model & Type): Delmag D-12 (Gravity (F Diese) dation Centerline: 1336+88.40 Plan Tip Elevation: 1083 Ft. N. Abutment Plan Driving Resistance: 40 Tons 40-0389-1-755 Observed Blows / Minute: 49-50

Sketch foundation below. Locate each pile by circles with numbers therein. Note battered piles on sketch, and give the amount of batter. Place name and certificate number of welder below if welding was necessary. Forward copies as outlined in the construction manual. Note on drawing which pile has been logged.

Ва	tter Piling	in the dire	ction show	n.							
					N. Abu	itment .			•	N .	
										↑ ·	
		· ·	. 1		Logged Pile	· · · · · · · · · · · · · · · · · · ·	•	. 8			
					- Indiana		· 				
Sheet 1/2 N. Abut. Pay Qts			. (2)	. 3.	. 4	5.	<u>.</u> 6	. 7	· ·	· ·	
Sheet 2/2						 				•	

		Length		Length					RET	AP 2		PILE	EXTENSIO	NS 3	
		in leads	Length	in	Blows	Ram	Driven		Ram	Blows	Driven	Length	Length	In	
Pile	Date	Nearest		Structure	Per	Rise	Resistance	D	Rise	Per	Resistance	Added		Structure	
No.	Driven	Foot	(0.0 ft.)	(0.0 ft.)1	Foot	(ft.)	(Tons)	Date	(ft.)	Foot	(Tons)	(ft.)	(0.0 ft.)	(0.0 ft.)1	(Count)
3	X-XX-XX	60		25.0	6	4.5	10								
				30.0	8	4.5	13								
				35.0	9	4.5	14								
				40.0	12	4.5	17								
				45.0	16	5.0	20								
				50.0	24	5.0	28								
				55.0	30	5.0	30								
				56.0	32	5.0	31								
				57.0	35	5.0	34								
				58.0	37	5.0	36								
				59.0	38	5.0	39								
				60.0	40	5.0	42								

1	For trestle pile, give length in ground plus length in structure.
2	Indicate data of raton in data column (1 day delay min) List

2 Indicate date of retap in date column (1 day delay min.). List only pile actually checked.

3	Additional	pile lengt	h to be	authorized	by	Construction	Office.
---	------------	------------	---------	------------	----	--------------	---------

Length In Structure:	Feet
Cutoffs 5.0' & Under:	Feet
Cutoffs over 5.0' x 0.50:	Feet
Furnished Length:	 Feet

Remarks:	

Welders Name:

Lab No.:

ln:	spector

Exp. Date:

lowa Department of T	
Project No. ANYBODY'S GUESS Typ	of Piling HP 10 × 42
COUNTY SOMEPLACE IN LOWA	(Weed, or Steel Size & Type, or Concrete Size & Type)
Design No. 389 Ham	mer (Model & Type) DELMAG DI2
Location of Foundation Centerline 1336+88.40	(many Camp
Location NORTH ABUTMENT	Tip Elevation 1083 ft.
(Abstractor Par)	Driving Resistance 40 tons
	erved Blows/Min. 49-50
Suitch foundation below. Locate each pile by circles with numbers therein. Note ballance piles on sie	mer Energy 22, 5 ftKips.
below if welding was necessary. Forward copies as outlined in the construction manual. Note on share	ing which pile has been logged.
N. ABUTMENT	
	· · · · · · N ·
LOCGED	8
	
(2) (3) (4) (5	5) (6) (7)
f	
Length Length P	ETAP ② PILE EXTENSIONS ③ WELDS
in leads Length in Blow's Raw Driver Ram Pile Date Nouvert Capif Structury per Rise Resistance Rise	front.
Ma. Driven Foot (6.6 tt.) (0.0 tt.) (7) Foot (81.) (Tom) Date (81.)	Feot (Tens) (t.) (0.0 t.) (0.0 t.) (0.0 t.)
1 X-XX-XX 40 33 5.0 31 5.0 2 / 60 0.0 60.0 35 5.0 33 5.5	
3 60 0.0 60.0 40 5.0 42	I OK PINGIA
5 60 1.8 58.2 70 6.0 53	
5 6 26 57.4 74 6.0 54 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
7 60 5.8 54.2 80 65 68	
8 X-XX-XX 60 7.2 52.8 90 6.5 74	ENGTH IN STRUCTURE 466.9
	CUTOFFS 45'
+ 10 30 67.0 FROM EXTENSION	UTOFFS > 5' (13.0' x 0.50) 6.5'
TOTAL 490 23.1 444.9	FURNISH LENGTH 483.5"
	WELDER'S NAME -
	LAB No
	SDRS No
① For trestle pile, give length in ground plus length in structure.	EXP. DATE -
© Indicate date of retap in class calumn (7 day shipy min.). List only pile actually checked. ® Additional pile length to be authorized by Construction Office.	Total Wilds:
Weldon's Manne Lab Mo Exp. Sato	Length in Structure: Feet Cutoffs 5.0' & Under: Feet
Remarks	Dauffs own 5.0' x 0.50: Feet Finished Laught Feet
INSPECTOR & DATE	
INSPECTOR & DATE DISTRIBUTION Circles to Construction of Cons	PROJECT ENGINEER

01/29/01 Appendix 11-8.3